

STATE OF COLORADO

COLORADO DEPARTMENT OF HEALTH

222 So. 6th St., Room 232
Grand Junction, Colorado 81501



July 11, 1988

Roy Romer
Governor

Thomas M. Vernon, M.D.
Executive Director

Anaconda Mineral Company
c/o Robert L. Dent
Western Mineral Project
555 17th Street
Denver, CO 80202

Re: Annual Inspection of Wastewater Treatment Facilities for St Louis Tunnel
Mine, CPDES Permit No. CO-0029793, Dolores County

Dear Mr. Dent:

Enclosed is your copy of the above report form for the inspection performed on
June 30, 1988. During the inspection the following items were noted and need
to be brought to your attention:

1. At the time of the inspection the treatment facility was being properly
operated and maintained.

Thank you for your time and cooperation. If you have any questions, please
call me at 248-7150.

Sincerely,

Richard H. Bowman, P.E.
West Slope Unit Leader
Water Quality Control Division

RHB/mb

cc: San Juan County Health Department
cc: Permits & Enforcement Section, CDH
Field Services, Denver
EPA, Region VIII
Sharon Ferdinandsen
Leslie Simpson (Inspection Report only)
Jim Horn
File

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Center at (303) 312-6473.

CDPS/NPDES FACILITY
INSPECTION REPORT

C PLANT

SECTION A: NATIONAL DATA SYSTEM CODING

| | | | | | | | | | | | |
|---|--|--|--|----------------------------------|--|---------------------------------|--|--------------------------|--|--|--|
| Transaction Code 1 <u>N</u> 2 <u>5</u> | | CDPS/NPDES 3 <u>1000029793</u> 11 | | yr/mo/day 12 <u>070603</u> 17 | | Inspection Type 18 <u>SR</u> | | Inspector 19 <u>1</u> | | Fac Type 20 <u>2</u> | |
| Remarks (See Code) | | | | | | | | | | | |
| 21 Reserved | | Facility Evaluation Rating 67 <u>1</u> 69 | | BI 70 <u>N</u> | | OA 71 <u>N</u> | | CO 72 <u>17</u> 74 | | Operator in Charge Class & Cert. # 73 <u>MOLE</u> 80 | |

SECTION B: FACILITY DATA

| | | | | |
|---|--|---|--|---|
| Name of Facility Inspected <u>Homestead Ranch - Rico</u> | | Entry Time <u>1230</u> | <input type="checkbox"/> AM <input type="checkbox"/> PM | Permit Effective Date <u>6-13-77</u> |
| Physical Location <u>10000</u> | | Permit Expiration Date <u>12-31-92</u> | | |
| Name(s) of On-Site Representative(s) <u>Jim Anderson</u> | | Title(s) <u>Owner</u> | | Phone No(s) <u>967-3271</u> |
| Address <u>10000</u> | | City <u>Rego</u> | | State <u>CO</u> |
| Name of Person Conducting Inspection <u>Tom Baker</u> | | Title <u>SEA</u> | | |

SECTION C: AREAS EVALUATED DURING INSPECTION

(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

| | | | |
|-------------------------------|------------------------------------|----------------------------------|-----------------------------------|
| <u>N</u> Permit | <u>S</u> Flow Measurement | <u>N</u> Pretreatment | <u>S</u> Operations & Maintenance |
| <u>S</u> Records/Reports | <u>S</u> Laboratory | <u>N</u> Compliance Schedules | <u>N</u> Sludge Disposal |
| <u>N</u> Facility Site Review | <u>N</u> Effluent/Receiving Waters | <u>S</u> Self-Monitoring Program | <u>N</u> Other: |

SECTION D: OPERATION/MAINTENANCE

Operator in Charge: Tom Anderson No. of Operators: 1

Budget: \$ _____ Salaries: \$ _____ Utilities: \$ _____ Maintenance: \$ _____

Chemicals: \$ _____ Sludge: \$ _____ Other: \$ _____ Unit Trmt. Cost/1,000 gals.: \$ _____

Collection System: No. of Taps: _____ No. of Lift Stations: _____

Pop. Eq. Served: _____ I/I Program: _____ Treatment Process: _____

Design Capacity: Hydraulic: 2.60 Organic: _____

Present Loading: Hydraulic: 1.17 MGD Organic: _____ % Cap. _____

SECTION E: MONITORING AND COMPLIANCE

Type and location of flow measuring equipment: partial flow on left

Accurate, (Yes/No): _____ If (No), Comment: _____

Date of Last Calibration: N/A

Lab performing DMR analysis: Rego. Dist. Lab.

Analysis in compliance with approved procedures, (Yes/No): _____ If (No), Comment: _____

Sampling in compliance with permit requirements, (Yes/No): _____ If (No), Comment: _____

Physical description of receiving stream: _____

Does facility meet permit requirements: _____

List facilities deficiencies: _____

Comments: -002

Yes TR 10 TR 11 TR 12 TR 13 TR 14

INDUSTRIAL INSPECTION SHEET

CO-0029793

Permit Number

Plant Name ANACONDA Minerals - St. Louis Tunnel
 City Rico County DOLORES Telephone 967-2281 River Basin DOLORES - COLO.
 Person Interviewed Bill Muldner Title Operator
 Operation Schedule: 24 hrs/day Hours Per Day 24 Days Per Week 7/7
 Number of Employees: -0- Bill is contracted to operate the waste
 Plant Products: NO ACTIVE MINING

Seasonal Variations: N/APresent Production Rate: -0- Normal Production Rate: -0-Raw Materials: NONE AT PRESENTCritical Material Containment: No critical materials on site

Plant Processes: For treatment of mine portal water: Mine water → -3% quicklime added to raise pH (automatic) → series of settling ponds → -002 outfall.
- Current lime feed rate of 900 lbs/day -

Water Supply: Domestic NONE Process From Portal Cooling NONE
 Volume — Volume 1.17MGD Volume —
 Sanitary Sewage (Treatment & Disposal): NONE

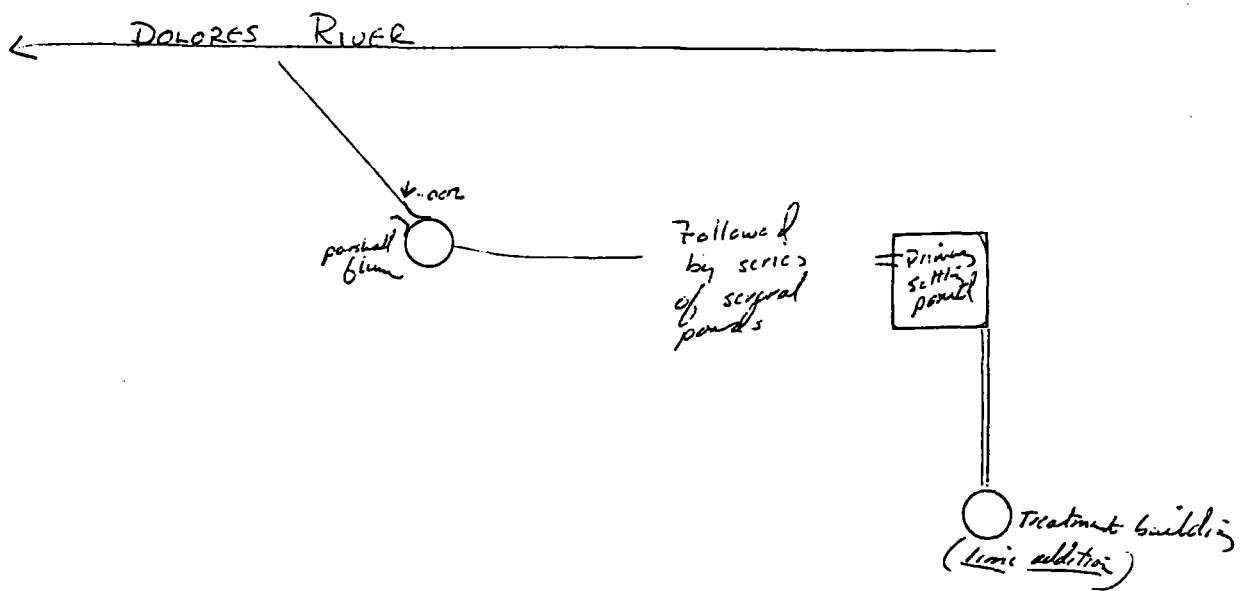
Operator Certification: NONE (will be classed as a "C" Industrial.)

General Remarks: "POTENTIAL" change of ownership for Sept 6, 1988 to
Dave Sell & Wayne Webster of Arizona.

Wastewater Treatment Costs

| Salaries | Electricity | Chemicals | Maintenance | Training | Other | Total |
|-------------------|------------------|--------------------|------------------|------------|------------------|-------|
| <u>36000/year</u> | <u>600/month</u> | <u>10,500/year</u> | <u>4000/year</u> | <u>-0-</u> | <u>432/month</u> | |

(Map & Treatment Plant Flow Diagram on Reverse Side)



Outfall No. -002

only treating water from St. Louis + Blaine Tunnel using
3rd gashouse and a series of settling ponds.
Treatment plant is automated.

Process Water
(Sources & Treatment)

Cooling Water
(Sources & Treatment)

NONE

Drainage
(Treatment)

— N/A —

Receiving Stream DOLORES RIVER - Sec 2

Visual Description Eff. Monthly clear

Monitoring Technique AS STATED IN PERMIT (manual grabs)

Outfall No.

001

002

| Permit Conditions | NPDES Permit (Present) | NPDES Permit (Future) | Actual Data | Compliance | | NPDES Permit (Present) | NPDES Permit (Future) | Actual Data | Compliance | |
|-------------------|------------------------|-----------------------|-------------|------------|----|------------------------|-----------------------|-------------|------------|---|
| | | | | Yes | No | | | | Yes | No |
| Date | | | | | | 6-30-78 | — | 4-15-87 | 1.20 | X |
| Flow (Mon. Avg.) | Bypassed | to -002 | | | | | | | — | |
| Peak Flow (MGD) | | | | | | | | | K10 | old permit |
| Suspended Solids | | | | | | 20 ppm | | | K10 | |
| Oil and Grease | | | | | | ≤ 10 ppm | | | K10 | |
| pH | | | | | | 6.5 - 9.0 | | | 7.6 | |
| BOD ₅ | | | | | | — | | | — | |
| T.R. Cd | | | | | | 0.12 lbs/day | | | 5.7 ug/L | This draft's during old permit which expired June '88 |
| T.R. Cu | | | | | | 0.03 ppm | | | K5 ug/L | |
| T.R. Pb | | | | | | 0.009 ppm | | | K5 ug/L | |
| T.Hg | | | | | | — | | | K.65 ug/L | |
| T.R. Zn | | | | | | 5.5 lbs/day | | | 742 ug/L | |
| T.R. Silver | | | | | | 0.03 lbs/day | | | K.6 ug/L | |

Inspected By:

Rebecca H. Gorman

Date: 6-30-88

DAVE DAUBER

cc Industrial Waste